

**REMARKS**

Claims 1-14 and 16-20 are pending in the application after entry of this amendment.

Claims 15 and 21 have been canceled. Claims 1, 16, 18, and 20 have been amended. The amendment to claims 1, 16, and 18 are described below. Claim 20 has been amended to clarify that the invention is intended to cover singular referents to halide and salt. As originally written, the plural referents halides and salts could incorrectly be interpreted as requiring multiple types of halides and/or salts. Support for the amendments can be found in the specification and original claims of the application.

**I. CLAIM REJECTIONS BASED ON NON-STATUTORY DOUBLE PATENTING**

**A. Rejection of Claims 1-9 and 15-20 over U.S. Application No. 10/786,651**

The Office Action has rejected claims 1-9 and 15-20 under the judicially created doctrine of obviousness-type double patenting as allegedly being unpatentable over claims 1-15 of copending application No. 10/786,651 (hereinafter the '651 application; Attorney docket no. 03234.0017U3). In order to expedite prosecution and not admitting any obviousness, applicant requests that the enclosed Terminal Disclaimer under 37 C.F.R. § 1.321(c) be entered and the rejection withdrawn.

**II. REJECTION OF CLAIMS UNDER 35 U.S.C. § 103**

**A. Rejection of Claims 1-12 under 35 U.S.C. § 103(a)**

The Office Action has rejected claims 1-12 under 35 U.S.C. § 103(a) as allegedly being obvious over U.S. Patent No. 6,132,645 to Hedges (hereinafter "Hedges"), in view of U.S. Patent No. 4,731,408 to Jasne (hereinafter "Jasne"). Applicant respectfully disagrees with this rejection for the following reasons.

Claim 1, as amended, incorporates the metallizing step of original claim 15. Original claim 15 has been canceled and claims 16 and 18 have been amended to depend from amended claim 1.

As an initial matter, Hedges alone would not have rendered the invention of amended claim 1 obvious. The claims of the present application, as amended, are directed towards a method for oxidatively polymerizing the monomer of a conducting polymer and then metallizing the conducting polymer-grafted carbonaceous material. The composition produced by the methods of the present invention can be useful in devices such as fuel cells, batteries, and capacitors. Such devices can utilize the metal as a catalytic material for the redox reaction taking place in the device.

Hedges does not motivate such a combination of *inter alia*, a sulfonated particulate carbonaceous material and a metal, because Hedges is not directed to a device having catalytic requirements. Instead, Hedges uses a conductive polymer incorporated into a polymer matrix, such as nylon. Hedges would not have been motivated to incorporate a metal because Hedges is directed to a charge dissipation or anti-static device. Hedges conducts and moves electrons away from chemical transport lines. There would be no purpose served in Hedges to incorporate a metal catalyst to achieve this function. Rather, Hedges uses a conductive polymer.

Indeed, catalytic metals, such as those of the claimed invention, are not generally compatible with flammable materials. The addition of a catalytic metal into the composition described in Hedges would have been detrimental when used for the transport of volatile fuels and chemicals. Thus, a fair reading of Hedges would not have led one to combine a metal

material with the carbon black coated with conducting polymer of Hedges because Hedges' utility is safe charge dissipation.

Jasne is directed to methods for oxidatively polymerizing conducting polymers using various oxidizing agents. The combination of Hedges in view of Jasne would not have provided the invention of amended claim 1, because, *inter alia*, neither Hedges nor Jasne disclose a metallizing step. Further, the combination of Hedges in view of Jasne would not have rendered the claimed invention obvious because neither Hedges nor Jasne teach or suggest a method for preparing a metallized carbon composition. Therefore, this rejection should be withdrawn.

**B. Rejection of Claims 1-20 under 35 U.S.C. § 103(a)**

The Office Action has rejected claims 1-20 under 35 U.S.C. § 103(a) as allegedly being obvious over published application WO 03/100884 to Srinivas (hereinafter "Srinivas publication," Attorney Docket No. 03234.0018P1), in view of Jasne. Applicant respectfully disagrees with this rejection for the following reasons.

The inventions of both the PCT application (PCT/US2003/16320), from which the Srinivas publication arose, and the present application have the same inventorship. The sole inventor of both applications is Srinivas Bollepalli. Both applications were originally filed with the sole inventor correctly listed as Bollepalli Srinivas. After filing, the inventor changed his name from Bollepalli Srinivas to Srinivas Bollepalli. Enclosed are copies of the Decision on Petition granting the name change in this matter and a copy of the Notification of the Recording of a Change (PCT/IB/306) reflecting the name change in the PCT application. The inventor in both this matter and the PCT application are the same person. Thus, the Srinivas publication and

**ATTORNEY DOCKET NO. 03234.0018U3**  
**APPLICATION NO. 10/786,652**

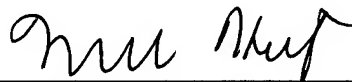
the present application are not by "another," and so the Srinivas publication cannot serve as prior art under either 35 U.S.C. § 102(a) or § 102(e) to support a rejection under 35 U.S.C. § 103(a).

As the Srinivas publication cannot be used to support a 35 U.S.C. § 103(a) rejection, the rejection over Srinivas in view of Jasne should be withdrawn.

A Credit Card Payment Form PTO-2038 authorizing payment check in the amount of \$1330.00, representing \$1020.00 for the fee for a Request for Three Month Extension of Time under 37 C.F.R. § 1.17(a)(3), \$130.00 for the fee under 37 C.F.R. § 1.20(d), and \$180.00 for the fee under 37 C.F.R. § 1.17(p) is enclosed. This amount is believed to be correct; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.



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**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP AMENDMENT Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

  
\_\_\_\_\_  
Mitchell A. Katz

September 14, 2007  
\_\_\_\_\_  
Date



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**MAR 14 2007**

**OFFICE OF PETITIONS**

In re Application of  
Srinivas Bollepalli  
Application No. 10/786,652  
Filed: February 25, 2004  
Attorney Docket No. 03234.0018U3

**DECISION ON PETITION**

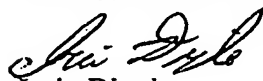
This is a decision on the petition under 37 CFR 1.182, filed, October 20, 2006, to change the name of inventor "Bollepalli Srinivas" to – Srinivas Bollepalli – and citizenship from India to the United States of America.

The petition is **GRANTED**.

Office records have been updated to reflect the inventor's change of name and citizenship. A corrected Filing Receipt, which reflects the inventor's changes, accompanies this decision on petition.

Any questions concerning this matter may be directed to Irvin Dingle at (571) 272-3210. Any questions concerning the examination procedures or status of the application should be directed to the Technology Center.

This application is being referred to Technology Center AU 1751 for processing.

  
Irvin Dingle  
Petition Examiner  
Office of Petitions

ATTACHMENT: Corrected Filing Receipt

## PATENT COOPERATION TREATY

*With laes*

DOCKETED

By: *124* Date: *11/19/04*

Reviewed \_\_\_\_\_ Name/Date PCT \_\_\_\_\_

*inactive*

NOTIFICATION OF THE RECORDING  
OF A CHANGE

(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

**RECEIVED**

NOV 19 2004

ADES, Patricia, L.  
Needle & Rosenberg, P.C.  
Suite 1000  
999 Peachtree Street  
Atlanta, GA 30309  
United States of America

**NEEDLE & ROSENBERG**

Date of mailing (day/month/year) 03 November 2004 (03.11.2004)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference 03234.0018P1	
International application No. PCT/US2003/016320	International filing date (day/month/year) 23 May 2003 (23.05.2003)

## 1. The following indications appeared on record concerning:

☐ the applicant ☒ the inventor ☐ the agent ☐ the common representative

## Name and Address

SRINIVAS, Bollepalli  
1888 Wilkenson Crossing  
Marietta, GA 30066  
United States of America

## State of Nationality

## State of Residence

## Telephone No.

## Facsimile No.

## Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☒ the name ☐ the address ☐ the nationality ☐ the residence

## Name and Address

BOLLEPALLI, Srinivas  
1888 Wilkenson Crossing  
Marietta, GA 30066  
United States of America

## State of Nationality

## State of Residence

## Telephone No.

## Facsimile No.

## Teleprinter No.

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned  
☐ the International Searching Authority ☒ the elected Offices concerned  
☒ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 338.71.30

Authorized officer

Junko TAKEUCHI (Fax: 338 71 30)

Telephone No. (41-22) 338 8446